

Exploring the Extreme			
2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	MD	MA.K.4.A.1.a	Collect data by answering a question
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2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	MD	MA.2.3.A.1.a	Read the scale on a ruler to identify length, in inches
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2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	MD	MA.3.3.B.1.a	Measure length of objects and pictures of objects using a ruler, a tape measure, a yardstick, or a meter stick
Changing the Center of Gravity Using Moment Arms	MD	MA.3.3.B.1.a	Measure length of objects and pictures of objects using a ruler, a tape measure, a yardstick, or a meter stick
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Maryland Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	MD	MA.4.3.B.1.a	Select and use appropriate tools and units
Finding the Center of Gravity Using Rulers	MD	MA.4.4.A.1.a	Collect data by conducting surveys to answer a question
Finding the Center of Gravity Using Plumb Lines	MD	MA.4.3.B.1.a	Select and use appropriate tools and units
Changing the Center of Gravity Using Moment Arms	MD	MA.4.3.B.1.a	Select and use appropriate tools and units

Changing the Center of Gravity Using Moment Arms	MD	MA.4.4.A.1.a	Collect data by conducting surveys to answer a question
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Grade 5			
Activity/Lesson	State	Standards	
Vectoring	MD	MA.5.3.B.2.a	Measure a single angle and angles in regular polygons
Center of Gravity, Pitch, Yaw	MD	MA.5.3.B.1.a	Select and use appropriate tools and units
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Grade 6			
Activity/Lesson	State	Standards	
Vectoring	MD	MA.6.3.B.2	Measure angles in polygons
Center of Gravity, Pitch, Yaw	MD	MA.6.3.B.1.a	Select and use appropriate tools and units
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Maryland Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Vectoring	MD	MA.7.2.A.2.b	Determine the measurements of angles formed by intersecting lines, line segments, and rays.
Fuel Efficiency	MD	MA.7.1.B.2.e	Apply given formulas to a problem solving situation
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2004 Mathematics			
State Curriculum			
Maryland Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Vectoring	MD	MA.8.2.A.2.a	Determine the measurements of angles formed by parallel lines cut by a transversal
Fuel Efficiency	MD	MA.8.1.B.2.f	Apply given formulas to a problem-solving situation